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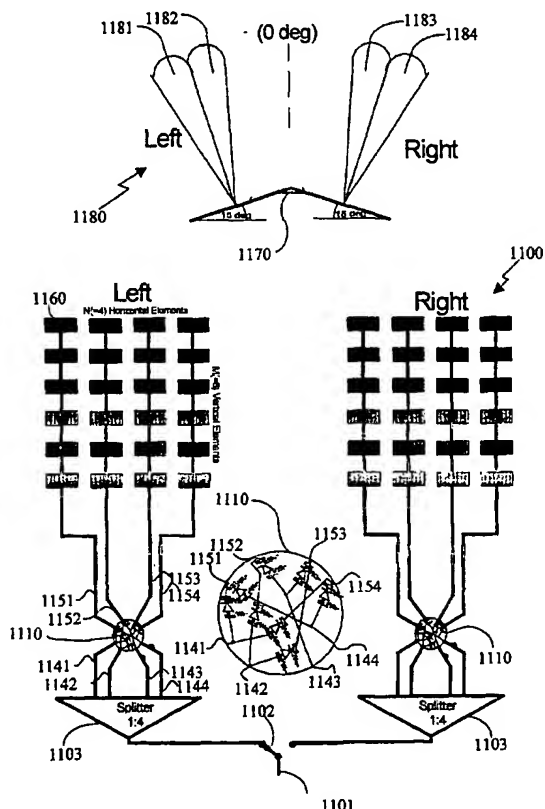
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- (71) **Applicant (for all designated States except US):** **WAVEX-TEND LTD (IL/IL); 1 Leshem St., Kiryat Gat, 82000 (IL).**

WASSER, Shay [IL/IL]; 15 Katzenelson St., Tel Aviv, 64366 (IL). **BLAUNSHTEIN, Nathan** [IL/IL]; 17/30 Alfassi St., Beer Sheva, 64751 (IL).

- (74) **Agent:** DR EYAL BRESSLER TD; POB 45220 Har
Hotzvim, 8 Hamarpe St., Jerusalem, 91450 (IL).
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- (54) Title:** PHASED ARRAY ANTENNA FOR INDOOR APPLICATION



(57) Abstract: A novel phased array antenna assembly is hereto presented. This antenna is adapted for reducing severe radiation hazards to the human body, and is useful for transmitting and receiving signals while taking into account the indoor electromagnetic field strength. The antenna comprising a micro-strip small-size antenna; a switching device, having a communicating means with said antenna to select between receiving or transmitting modes, further having a selecting means for phase shift and the receiving/transmitting frequencies; a controller adapted to receive inputs from said switching device comprising; a coordinating means, adapted to interconnect said switching device with a algorithm-based software; and a memory queue. This antenna assembly is cost effective in the manner it is adapted for an indoor mass-utilization consisting of low cost materials and components, and further wherein said assembly radiates a limited electromagnetic field in a minimal measure required for communication.



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